# OpcEngineeringUnitInfo Class

**Namespace:** Opc.UaFx
**Assemblies:** Opc.UaFx.Advanced.dll

Provides information to classify a value using codes for units of measurements.

**C#**

```
[OpcDataType(887U)]
public class OpcEngineeringUnitInfo
```

**Inheritance** Object › OpcEngineeringUnitInfo

**Attributes** OpcDataTypeAttribute

## Remarks

The codes used should match the codes for units of measurements defined by the United Nations Centre for Trade Faciliation and Electronic Business (see UN/CEFACT: UNECE Recommendation N° 20). It uses and is based on the International System of Units (SI Units) but in addition provides a fixed code that can be used for automated evaluation. This recommendation has been accepted by many industries on a global basis.

# Constructors

| Name | Description |
|---|---|
| OpcEngineeringUnitInfo | Initializes a new instance of the OpcEngineeringUnitInfo class. |
| OpcEngineeringUnitInfo(Int32) | Initializes a new instance of the OpcEngineeringUnitInfo class using the `unitId` specified. |
| OpcEngineeringUnitInfo(Int32, String) | Initializes a new instance of the OpcEngineeringUnitInfo class using the `unitId` and `displayName` specified. |
| OpcEngineeringUnitInfo(Int32, String, String) | Initialues a new instance of the OpcEngineeringUnitInfo class using the `unitId`, `displayName` and `description` specified. |
| OpcEngineeringUnitInfo(String) | Initializes a new instance of the OpcEngineeringUnitInfo class using the `displayName` specified. |
| OpcEngineeringUnitInfo(String, String) | Initializes a new instance of the OpcEngineeringUnitInfo class using the `displayName` and `namespaceUri` specified. |
| OpcEngineeringUnitInfo(String, String, String) | Initializes a new instance of the OpcEngineeringUnitInfo class using the `displayName`, `description` and `namespaceUri` specified. |

# Fields

| Name | Description |
|---|---|
| DefaultNamespaceUri | Defines the default value used for the NamespaceUri property. |

# Properties

| Name | Description |
|---|---|
| CommonCode | Gets the common code derived from the UnitId of the engineering unit represented. |
| Description | Gets or sets the full name of the engineering unit represented. |
| DisplayName | Gets or sets the name of the engineering unit represented. |
| HasUnitId | Gets a value indicating whether the engineering unit provides an according numeric identifier (see UnitId) for programmatic evaluation. |
| IsUndefined | Gets a value indicating whether the engineering unit does not provide any concrete information about the unit represented. |
| NamespaceUri | Gets or sets a value that identifies the organization (company, standards organization) that defines the OpcEngineeringUnitInfo represented. |
| UnitId | Gets or sets the numeric identifier of the engineering unit. |

# Methods

| Name | Description |
|---|---|
| GetCommonCode(Int32) | Retrieves the common code which is associated with the `unitId` specified. |
| ToString | Returns a string that represents the current OpcEngineeringUnitInfo. |

# Operators

| Name | Description |
|---|---|
| op_Explicit(Ua.EUInformation) | Converts a OpcEngineeringUnitInfo to an EUInformation object. |
| op_Implicit(EUInformation)~Opc.UaFx.OpcEngineeringUnitInfo) | Converts a EUInformation to an OpcEngineeringUnitInfo object. |

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